

**SUPPLEMENTARY TABLE 5**

	<b>RMP*</b>	<b>Rheobase</b>	<b>Threshold</b>	<b>Max Spike/Sec</b>	<b>Overshoot</b>	<b>Half-Width</b>	<b>EPSPs/min</b>	<b>IPSPs/min</b>	<b>n</b>
<b>Dlxi1/2b::eGFP neurons in hSS</b>	-61.8±3.2	6.1±0.7	-46.8±4.2	3.1±0.6	8.6±1.6	4.2±0.3	2.0±0.7	8.7±1.6	11
<b>Dlxi1/2b::eGFP neurons in hCS</b>	-66.4±4.7	5.6±0.7	-49.3±5.0	6.8±1.0	15.6±2.1	3.8±0.2	15.5±2.2	3.6±1.0	11
<b>Dlxi1/2b::eGFP neurons in unfused</b>	-63.4±2.9	6.2±0.9	-42.5±3.2	2.8±0.5	12.2±1.6	3.9±0.4	0.4±0.2	5.5±1.8	15
<b>hCS neurons in fused</b>	-61.2±4.3	6.6 ±1.1	-41.7±3.9	4.5±1.0	10.8±0.8	5.8±0.7	11.0±1.7	6.8±2.3	9
<b>hCS neurons in unfused</b>	-59.8±3.9	8.8±1.4	-44.7±4.3	4.2±0.7	10.5±1.2	6.2±0.8	8.3±2.0	0.2±0.2	6

\*Resting Membrane Potential